

# Converting Colors

Yxy(83.8982, 0.4166, 0.5074)

Have a look what the booklet for  
Yxy(83.8982, 0.4166, 0.5074)  
contains.

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# Color

**Yxy(84.0056, 0.4164, 0.5075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F501
RGB	241, 245, 1
RGB Percent	95%, 96%, 0%
CMY	0.0550, 0.0392, 0.9978
CMYK	0.02, 0.00, 1.00, 0.04
HSL	61°, 100%, 48%
HSV	61°, 100%, 96%
XYZ	68.9260, 84.0056, 12.5967
YIQ	215.9880, 75.9400, -76.7320

# Conversions

## Conversions Part 2

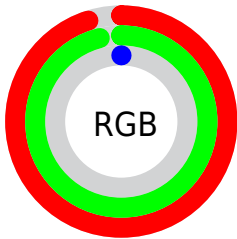
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 245, 5
Decimal	15856897
CIE Lab	93.45, -22.57, 91.26
CIE LCh	93, 94.008, 103.890
Yxy	84.0056, 0.4164, 0.5075
Android (android.graphics.Color)	4294046977 (0xFFFF1F501)
YUV	215.9880, -105.9891, 21.9355
Hunter-Lab	91.6546, -26.1601, 56.0096

# Details

The Yxy color **84.0056, 0.4164, 0.5075** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.6347, 0.1504, 0.0603**, and the grayscale version is **69.3231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **46.0985, 0.4110, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **84.0067, 0.4164, 0.5076**, and if you desaturate by 10%, it is **84.1498, 0.4148, 0.5042**.

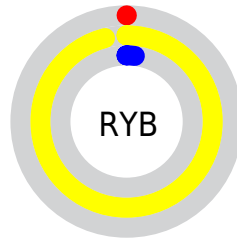
# Distribution



Red (95%)

Green (96%)

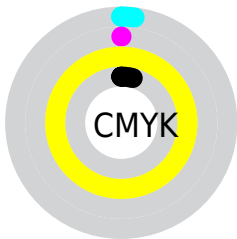
Blue (0%)



Red (0%)

Yellow (96%)

Blue (2%)

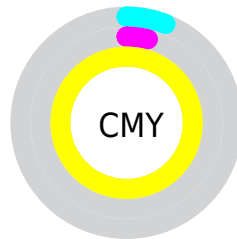


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (6%)

Magenta (4%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0056, 0.4164, 0.5075 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 84.0056, 0.4164, 0.5075 by changing the saturation by 10% instead.





 84.0056, 0.4164,  
0.5075

 84.0056, 0.4164,  
0.5075


508.3318, 0.3800,  
0.4330


 63.0201, 0.4210,  
0.5209


 138.9830, 0.4067,  
0.4843


 45.8574, 0.4248,  
0.5355


 173.7437, 0.4021,  
0.4745


 32.1333, 0.4268,  
0.5509


 213.8648, 0.3977,  
0.4657

 21.4634, 0.4283,  
0.5700

 259.7309, 0.3936,  
0.4578

 13.4631, 0.4189,  
0.5811

 311.7262, 0.3898,  
0.4506

 7.7482, 0.4046,  
0.5954


 370.2352, 0.3863,


 3.9343, 0.3827,

0.4442

0.6173

435.6423, 0.3830,  
0.4384

 1.6369, 0.3457,  
0.6543

 0.3823, 0.0000,  
1.0000


 84.0056, 0.4164,  
0.5075


 84.0056, 0.4164,  
0.5075


 84.0067, 0.4164,  
0.5076


 84.1498, 0.4148,  
0.5042


 84.3772, 0.4111,  
0.4972


 84.7173, 0.4047,  
0.4857

 85.1861, 0.3956,  
0.4700

 85.7969, 0.3843,  
0.4505

 86.5615, 0.3712,  
0.4281

 87.4902, 0.3569,  
0.4037

 88.5927, 0.3420,  
0.3784

 89.8777, 0.3270,  
0.3531

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0056, 0.4918, 0.4403



84.0056, 0.4164, 0.5075



84.0056, 0.3211, 0.5276

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0056, 0.4164, 0.5075



84.0056, 0.1405, 0.2354



84.0056, 0.3815, 0.2374

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84.0056, 0.4164, 0.5075



6.6347, 0.1504, 0.0603

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0056, 0.2729, 0.1948



84.0056, 0.4164, 0.5075



84.0056, 0.1506, 0.1879

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0056, 0.4164, 0.5075



84.0056, 0.1648, 0.3304



84.0056, 0.1936, 0.1770



84.0056, 0.4810, 0.2977



# Rectangle

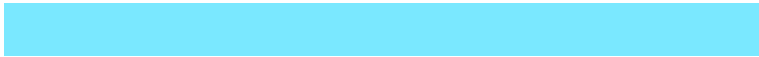
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0056, 0.4164, 0.5075



84.0056, 0.2574, 0.4892



84.0056, 0.1936, 0.1770



84.0056, 0.3437, 0.2207

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.0095, 0.4164, 0.5075



95.7762, 0.3573, 0.4044



19.4274, 0.6398, 0.3300



20.4037, 0.3635, 0.4149



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0095, 0.4164, 0.5075



91.9919, 0.4164, 0.5076



69.5067, 0.3355, 0.5717



19.2989, 0.3266, 0.3524



45.2585, 0.4165, 0.5075



3.9822, 0.4168, 0.5072



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.6347, 0.1504, 0.0603



7.2471, 0.1504, 0.0602



10.7999, 0.2009, 0.0881



15.9397, 0.2982, 0.3045



3.5713, 0.1505, 0.0603

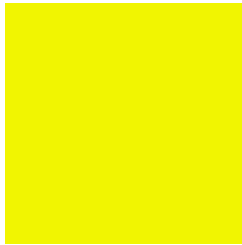


0.3184, 0.1518, 0.0610



# Previews

## White Background



This preview shows how the Yxy color 84.0056, 0.4164, 0.5075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

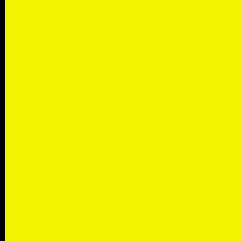
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0056, 0.4164, 0.5075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0056, 0.4164, 0.5075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0056, 0.4164, 0.5075.

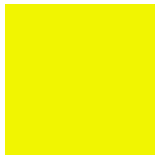


This preview shows how white text looks on a background with the Yxy color 84.0056, 0.4164, 0.5075.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.0078, 0.4164, 0.5074



### Protanopia

83.5840, 0.3791, 0.4111



### Deuteranopia

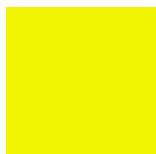
83.8975, 0.3470, 0.3582



## Tritanopia

83.8303, 0.3209, 0.3144

# Trichromacy



## Original Color

84.0078, 0.4164, 0.5074



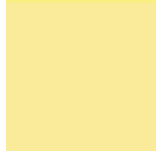
## Protanomaly

82.9388, 0.4046, 0.4629



## Deuteranomaly

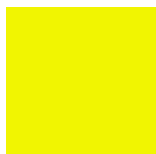
82.5041, 0.3893, 0.4356



## Tritanomaly

82.1072, 0.3751, 0.4104

# Monochromacy



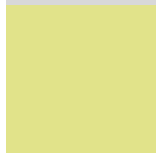
## Original Color

84.0078, 0.4164, 0.5074



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.7807, 0.3698, 0.4265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0056, 0.4164, 0.5075 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 245, 1)` looks like.

```
.text, #text, p{  
    color:rgb(241, 245, 1)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 245, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 245, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0056, 0.4164, 0.5075 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 245, 1) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(241, 245, 1) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(241, 245, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 245, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 245, 1);  
box-shadow:4px 4px 4px 4px rgb(241, 245,  
1) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0056, 0.4164, 0.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 245, 1) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
245, 1) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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